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         Jan 25
                 FSTA has been reloaded and moves to weekly updates
NEWS
         Jan 29
                 DKILIT now produced by FIZ Karlsruhe and has a new update
NEWS 4
         Feb 01
                 frequency
                 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS
         Feb 19
NEWS
        Mar 08
                Gene Names now available in BIOSIS
                 TOXLIT no longer available
NEWS
        Mar 22
NEWS 8
        Mar 22
                 TRCTHERMO no longer available
NEWS 9
        Mar 28
                US Provisional Priorities searched with P in CA/CAplus
                 and USPATFULL
                 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 10
        Mar 28
                PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
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        Apr 02
NEWS 12
        Apr 08
                 "Ask CAS" for self-help around the clock
NEWS 13
                 BEILSTEIN: Reload and Implementation of a New Subject Area
        Apr 09
NEWS 14
        Apr 09
                 ZDB will be removed from STN
                US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 15
        Apr 19
        Apr 22
                Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 16
                 BIOSIS Gene Names now available in TOXCENTER
NEWS 17
         Apr 22
        Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 18
              February 1 CURRENT WINDOWS VERSION IS V6.0d,
NEWS EXPRESS
              CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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FILE 'HOME' ENTERED AT 15:37:57 ON 26 APR 2002

=> file agricola caplus biosis
COST IN U.S. DOLLARS

FULL ESTIMATED COST 0.21 0.21

FILE 'AGRICOLA' ENTERED AT 15:38:09 ON 26 APR 2002

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FILE 'BIOSIS' ENTERED AT 15:38:09 ON 26 APR 2002 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

=> s mel7 or mel 7 L1 35 MEL7 OR MEL 7

=> dup rem 12
PROCESSING COMPLETED FOR L2
L3 11 DUP REM L2 (10 DUPLICATES REMOVED)

=> d 1-11 ti

- L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
- TI Melon promoters for expression of transgene in plants in a fruit-specific and ripening-associated manner
- L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
- TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon fruits and their use for plant breeding
- L3 ANSWER 3 OF 11 AGRICOLA DUPLICATE 1
- TI Analysis of physiological and molecular changes in melon (Cucumis melo L.) varieties with different rates of ripening.
- L3 ANSWER 4 OF 11 AGRICOLA DUPLICATE 2
- TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon (Cucumis melo L.) fruits.
- L3 ANSWER 5 OF 11 AGRICOLA DUPLICATE 3
- TI Identification of the alpha-galactosidase MEL genes in some populations of Saccharomyces cerevisiae: a new **gene** MEL11.
- L3 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 4
- TI Genetic mapping of the .alpha.-galactosidase MEL **gene** family on right and left telomeres of Saccharomyces cerevisiae
- L3 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
- TI MEL gene polymorphism in the genus Saccharomyces
- L3 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
- TI Physical mapping of the MEL **gene** family in Saccharomyces cerevisiae
- L3 ANSWER 9 OF 11 AGRICOLA DUPLICATE 5
- TI Polymeric genes MEL8, MEL9 and MEL10--new members of alpha-galactosidase gene family in Saccharomyces cerevisiae.
- L3 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
- TI Recombinant Rhizobium meliloti with improved nitrogen fixation capability
- L3 ANSWER 11 OF 11 AGRICOLA DUPLICATE 6
 TI A new family of polymorphic genes in Saccharomyces cerevisiae:

=> d 1 ab

L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS

The present invention is directed to melon promoters capable of promoting the expression of heterologous genes in transformed melon fruit. The invention also relates to genetic vector comprising melon fruit-assocd. promoters, transformation methods, transgenic plant cells and transgenic plants comprising such promoters. The activity of the melon-assocd. promoters was tested in ripe melon fruit tissues and heterologous fruit tissues. The expression of S-adenosylmethionine hydrolase under control of the melon-assocd. promoters and the prodn. of ethylene rate in transgenic plants was evaluated. The invention provides the methods for using the melon promoters to regulate transgene expression in a fruit-specific and ripening-assocd. manner.

=> d so

L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS

SO PCT Int. Appl., 68 pp. CODEN: PIXXD2

=> d pi

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L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001071013 A2 20010927 WO 2001-US8430 20010316

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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=> d 2 ab

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

AB Clones designated MEL2 and MEL7 are cDNAs of genes which are expressed during ripening of melon (Cucumis melo L. cv. Cantaloupe charentais) fruit. Regulation of the expression of these genes by sense or antisense down regulation allows the ripening process to be controlled. Changes of the gene expression level in response to the ethylene treatment and wounding are also shown. Also claimed are the genetically modified plants having altered fruit ripening characteristics and the microbiol. method for the prepn. of the plants.

=> d 2 so

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

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ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
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                   Al 19971009 WO 1997-GB824 19970324
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                                      EP 1997-914426
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            IE, SI, LT, LV, FI, RO
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                         20000822
                                       US 1998-142514
    US 6107548
                     Α
                                                        19980909
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=> d 4 ab

ANSWER 4 OF 11 AGRICOLA L3 DUPLICATE 2 In vitro translation of mRNAs and polyacrylamide gel electrophoresis of AB proteins from melons revealed that several mRNAs increased in amount during ripening, indicating the existence of other ripening genes in addition to those cloned previously. To identify ripening-related genes we have screened a ripe melon cDNA library and isolated two novel cDNA clones (MEL2 and MEL7) encoding unidentified proteins. Southern analysis revealed that MEL2 and MEL7 are encoded by low-copy-number genes. The MEL2 cDNA clone is near full-length, corresponds to a 1600 nucleotide mRNA that accumulates during ripening and encodes a predicted protein rich in hydrophobic amino acids. The MEL7 cDNA clone is full-length, corresponds to a mRNA of 0.7 kb which accumulates during early ripening stages and is also present at low levels in other organs of the melon plant. The MEL7 predicted polypeptide is 17 kDa and shows significant homology with the major latex protein from opium-poppy. Wounding and ethylene treatment of unripe melon fruits 20 days after anthesis showed that MEL2 and MEL7 mRNAs are only induced by ethylene.

=> d 4 so

L3 ANSWER 4 OF 11 AGRICOLA DUPLICATE 2
SO Plant molecular biology, Jan 1997. Vol. 33, No. 2. p. 313-322
Publisher: Dordrecht: Kluwer Academic Publishers.
CODEN: PMBIDB; ISSN: 0167-4412

=> s l1 and (melon or cantaloupe)
L4 8 L1 AND (MELON OR CANTALOUPE)

=> dup rem 14
PROCESSING COMPLETED FOR L4
L5 4 DUP REM L4 (4 DUPLICATES REMOVED)

=> d 1-4 ti

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
TI Melon promoters for expression of transgene in plants in a
fruit-specific and ripening-associated manner

- L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS
- TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon fruits and their use for plant breeding
- L5 ANSWER 3 OF 4 AGRICOLA DUPLICATE 1
- TI Analysis of physiological and molecular changes in melon (Cucumis melo L.) varieties with different rates of ripening.
- L5 ANSWER 4 OF 4 AGRICOLA DUPLICATE 2
- TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon (Cucumis melo L.) fruits.

DUPLICATE 1

=> d 3 ab

L5 ANSWER 3 OF 4 AGRICOLA

Seven melon varieties (Alpha, Delada, Marygold, Sirio, Topper, AB Tornado, and Viva) known to exhibit differences in their ripening behaviour were used in this study. The expression of mRNAs for ACC oxidase (MEL1) and phytoene synthase (MEL5), required for synthesis of ethylene and carotenoids, respectively, and two ripening-related cDNAs (MEL2 and MEL7), of unknown function, was examined and correlated with the development of colour and softening of fruits. The MEL2 and MEL7 mRNAs were present and accumulated in all varieties, indicating their importance in melon fruit ripening. The fruits of Delada and Marygold did not show any change in the colour of the flesh even at 50 daa (days after anthesis). All other varieties changed colour from green to orange between 25-30 daa. The phytoene synthase mRNA levels in most varieties seemed to be unrelated to change in fruit flesh colour. The firmness of all the fruits was reduced significantly between 25 and 40 daa. The expression of ACC oxidase mRNA showed the most variation among the different varieties and was delayed in Sirio and undetectable in Marygold fruits even at 40 daa. Varieties with delayed expression of ACC oxidase mRNAs after anthesis also showed delayed softening during ripening. The prospects of genetic engineering and breeding for melon fruits with improved quality characteristics and extended storage life are discussed.

=> d 3 so

L5 ANSWER 3 OF 4 AGRICOLA DUPLICATE 1

Journal of experimental botany, Mar 1997. Vol. 48, No. 308. p. 769-778
Publisher: Oxford: Oxford University Press.
CODEN: JEBOA6; ISSN: 0022-0957

=> s sam or sam-k
MISSING TERM BEFORE 'OR'
Search expressions cannot begin with operators.

=> s sam or sam-k
MISSING TERM BEFORE 'OR'
Search expressions cannot begin with operators.

=> s sam-k or sam MISSING TERM AFTER SAM-K OR Operators must be followed by a search term, L-number, or query name.

=> s s-adenosylmethionine hydrolase or sam or sam-k L6 7157 S-ADENOSYLMETHIONINE HYDROLASE OR SAM OR SAM-K

=> s 16 and plant?

=> s 17 and transgenic

L8 72 L7 AND TRANSGENIC

=> s 18 and fruit

L9 21 L8 AND FRUIT

=> dup rem 19

1.7

PROCESSING COMPLETED FOR L9

L10 17 DUP REM L9 (4 DUPLICATES REMOVED)

=> d 1-10 ti

- L10 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Melon promoters for expression of transgene in **plants** in a **fruit**-specific and ripening-associated manner
- L10 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Reduced ethylene concentration and postharvest quality of transgenic netted melon (Cucumis melo L.) expressing S-adenosylmethionine hydrolase.
- L10 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI A hybrid **plant** promoter derived from the E4 and E8 **fruit** -specific promoters of tomato
- L10 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Transgenic fruit plants with a modified fruiting phenotype arising altered ethylene biosynthesis and responsiveness
- L10 ANSWER 5 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Use of S-adenosylmethionine hydrolase to down regulate ethylene production in ripening fruit.
- L10 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Transformation methods for reduced ethylene formation in transgenic strawberry and raspberry plants
- L10 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Use of tomato E8-derived promoters to express heterologous genes, e.g. S-adenosylmethionine hydrolase, in ripening fruit
- L10 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Cloning of raspberry drul gene and use of its promoter for tissue/stage-specific gene expression in transgenic plants
- L10 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Reduced ethylene synthesis and ripening control in tomatoes expressing S-adenosylmethionine hydrolase
- L10 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Red raspberry and strawberry genetic transformation and transgenic plants with increased fruit fungal resistance or viral resistance

=> d 2 so

- L10 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- SO Hortscience, (June, 2001) Vol. 36, No. 3, pp. 467. print.

Meeting Info.: 98th Annual International Conference of the American Society for Horticultural Science Sacramento, California, USA July 21-25, 2001
ISSN: 0018-5345.

=> d 2 ab

L10 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. The effect of incorporating a gene encoding the enzyme S-AB adenosylmethionine hydrolase (SAMase), originally isolated from bacteriophage T3, into the genome of netted melon (Cucumis melo L. var. reticulatus Naud.), commonly known as cantaloupe or musk-melon, was evaluated in a series of greenhouse trials conducted from 1997 to 2000 at the ARS research facility in Weslaco, TX. Transgenic and non-transgenic seed for greenhouse trial entries was provided to the ARS research laboratory in Weslaco TX by Harris Moran Seed Company, in collaboration with Agritope, Inc. The ethylene concentration inside the cavity of melon fruit grown from F1 seed was monitored from 28 days after pollination until 3 or 10 d after harvest using an "on the vine" non-destructive gas sampling method. Real-time ethylene concentration and ripening attributes of melons were evaluated in fruit grown from multiple plants of eight transgenic events, as well as seven other single or double event hybrid crosses and their non-transgenic counterparts. Melons grown from transgenic plants all possessed a phenotype characteristic of non-transgenic netted melon. The onset and pattern of ethylene concentration in melons grown from transgenic events was similar to non-transgenic melons. Transgenic events with desirable market quality were identified that expressed a 30% to 50% reduction in maximum ethylene concentration, firmer texture and extended shelf-life compared to their non-transgenic counterparts. Maximum ethylene concentration in melons grown from double event hybrids was similar to that of melons grown from single event and single event hybrids.

=> d 2 au

L10 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. AU Shellie, Krista C. (1)

=> d 3 ab

ANSWER 3 OF 17 CAPLUS COPYRIGHT 2002 ACS

AB A strong, fruit-specific promoter derived from elements of the promoters of E4 and E8 genes of tomato is described. This promoter is capable of providing high-level expression of heterologous genes, particularly in transformed fruit. Two hybrid promoters were constructed, called the long and short forms. The long form contains 1155 nucleotides of the E8 promoter (corresponding to nucleotides -2257 to -1103 of the E8 gene) and 1166 nucleotides (corresponding to nucleotides -1150 to +16) of the E4 gene. The short form contains 682 nucleotides of the E8 promoter (corresponding to nucleotides -1529 to -847 of the E8 gene) and 331 nucleotides (corresponding to nucleotides -315 to +16) of the E4 gene. These constructs contg. the gene for a foreign S-adenosyl methioninase gene were effective in conferring a delayed ripening phenotype on transformed muskmelon.

=> d 3 ab

AB A strong, fruit-specific promoter derived from elements of the promoters of E4 and E8 genes of tomato is described. This promoter is capable of providing high-level expression of heterologous genes, particularly in transformed fruit. Two hybrid promoters were constructed, called the long and short forms. The long form contains 1155 nucleotides of the E8 promoter (corresponding to nucleotides -2257 to -1103 of the E8 gene) and 1166 nucleotides (corresponding to nucleotides -1150 to +16) of the E4 gene. The short form contains 682 nucleotides of the E8 promoter (corresponding to nucleotides -1529 to -847 of the E8 gene) and 331 nucleotides (corresponding to nucleotides -315 to +16) of the E4 gene. These constructs contg. the gene for a foreign S-adenosyl methioninase gene were effective in conferring a delayed ripening phenotype on transformed muskmelon.

=> d 3 so

L10 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2002 ACS SO PCT Int. Appl., 53 pp. CODEN: PIXXD2

=> d 3 pi

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ANSWER 3 OF 17 CAPLUS COPYRIGHT 2002 ACS
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    WO 9914316
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                    A3
                          19990610
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=> d 4 ab

Answer 4 of 17 Caplus Copyright 2002 ACS

A method of delaying or preventing fruit ripening by limiting ethylene biosynthesis is described. The method involves expressing a gene that inhibits ethylene biosynthesis from an ethylene-responsive promoter. This inhibition may be by degrading an intermediate in ethylene biosynthesis, such as the bacteriophage T3 S-adenosylmethionine hydrolase gene, or by use of an antisense DNA or by cosuppression of a gene for ethylene biosynthesis. The S-adenosylmethionine hydrolase gene of bacteriophage T3 was modified by introduction of a Kozak sequence and placed under control of the tomato E8 promoter and introduced into tomato by Agrobacterium-mediated transformation. Two constructs using different derivs. of the E8 promoter were used and these gave different patterns of expression of the hydrolase gene. Transgenic plants showed lower levels of ethylene output than control plants.

Fruit from these plants continued to ripen after picking at the breaker stage, but at a slower rate than control plants and did not show appreciable senescence at 55 days post-breaker.

=> d 4 so

L10 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2002 ACS SO U.S., 72 pp., Cont.-in-part of U.S. Ser. No. 261,677. CODEN: USXXAM

=> d 4 pi

L10	ANSWER 4 OF 17	CAPLUS	COPYRIGHT 2002	2 ACS	
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PI	US 5859330	A 1	19990112	US 1994-331355	19941027
	EP 869183	A1 1	19981007	EP 1998-100641	19901212
	R: AT, BE,	CH, DE,	DK, ES, FR, GE	B, GR, IT, LI, LU	NL, SE
	JP 11243799	A2]	19990914	JP 1998-303075	19901212
	US 5723746	A 3	19980303	US 1993-46583	19930409
	US 5416250	A 3	19950516	US 1994-255833	19940608
	US 5750864	A 1	19980512	US 1994-261677	19940617
	US 5589623	A 1	19961231	US 1994-360974	19941220
	US 6054635	A 2	20000425	US 1996-777147	19961227

=> d 4 in

L10 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2002 ACS IN Bestwick, Richard Keith; Ferro, Adolph J.

=> d 5 ab

L10 ANSWER 5 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

=> d 5 so

L10 ANSWER 5 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

SO In Vitro Cellular & Developmental Biology Animal, (March, 1999) Vol. 35,
No. 3 PART 2, pp. 19.A.

Meeting Info.: Congress on In Vitro Biology New Orleans, Louisiana, USA
June 5-9, 1999
ISSN: 1071-2690.

=> d 6 ab

L10 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2002 ACS

AB An efficient transformation system for plants has been developed that yields high transformation efficiencies and pure transgenic plants. Genomic integration of transgenes was confirmed by genomic DNA hybridization anal. Agrobacterium-type expression vectors are used. Pure transgenic plants have been successfully established in soil. The method is exemplified by construction of transgenic raspberry and strawberry plants. Desirable modifications include increased sugar content, increased fungal resistance, increased viral resistance, and reduced ethylene biosynthesis. Reduced ethylene formation results in increased fruit firmness and reduced susceptibility to fruit rot. Target enzymes involved in reduced ethylene include S-

adenosylmethionine hydrolase, aminocyclopropane-1-carboxylic acid (ACC) deaminase, ACC oxidase antisense mol., ACC oxidase cosuppression mol. and ACC synthase cosuppression mol. Genetic selection is accomplished by inclusion of marker genes such as NPTII and hpt.

=> d 7 ab

L10 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2002 ACS

The use of S-adenosylmethionine hydrolase (I) to reduce ethylene biosynthesis in plants is facilitated by exploitation of the tissue- and stage-specific properties of the gene E8 promoter from tomato. The functional properties of several regions of the E8 promoter are described. Thus, primers were prepd. for use in PCR to amplify the 1124-bp promoter from tomato gene E8 DNA. The primers were designed with unique restriction sites at each end and were used to place the promoter in the proper orientation 5' of the phage T3 I gene in pUC19. The 3' end of the promoter fragment had a NcoI site placed such that the ATG start codon of the E8 gene product was used as the ATG in the NcoI site, thereby allowing precise placement of the entire E8 promoter directly in from of the I amino acid coding sequences with no intervening sequences. Two I-expressing vectors were constructed. The pGA-ESKN vector contains a portion of the E8 promoter adjacent to the I coding sequences. A .lambda.EMBL-3 clone contg. genomic sequences that hybridize to the -1124 E8 region was isolated and used as the source for a region upstream of the -1124 E8 promoter. Restriction mapping anal. and subcloning allowed identification of an .apprx.1200-bp HindIII to XbaI fragment as the region immediately upstream of the original -1124-bp E8 promoter. This region was added to the pGA-ESKN construct to yield pGA-SESKN, which contained the approx. -2254-bp E8 promoter fused to the I gene. Both of these vectors were transferred to tomato plants to generate transgenic plants expressing I. Expression of I in ESKN transgenic plants was regulated to the post-mature green fruit but turned off in the fully ripe fruit, whereas the SESKN transgenic fruit maintained I mRNA expression in ripe fruit. these plants, there was a significant redn. in the synthesis of ethylene, thereby leading to decreased senescence and improved shelf-life. The E8 promoter and variants provide useful regulatable promoters for the expression of other genes as well as the I gene.

=> d 7 pi

L10	ANSWER 7 OF 17	CAPLUS COPYRIGHT 2002 ACS
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ΡI	US 5723746	A 19980303 US 1993-46583 19930409
	EP 869183	A1 19981007 EP 1998-100641 19901212
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	WO 9424294	A1 19941027 WO 1994-US3886 19940408
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	AU 690547	B2 19980430
	EP 693127	A1 19960124 EP 1994-912972 19940408
	R: AT, BE,	CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
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	JP 08509122	T2 19961001 JP 1994-523335 19940408
	US 5859330	A 19990112 US 1994-331355 19941027

L10 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2002 ACS

AB Genetic engineering was used to control ethylene prodn. in cherry tomatoes. An ethylene-responsive promoter was linked to the phage T3 gene sam-k, encoding S-adenosylmethionine hydrolase, in vector pAG5420. Losses from overripe fruit in transgenic plants are reduced because S-adenosylmethionine, a precursor of ethylene, is depleted.

=> d 11-17 ti

- L10 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Regulated expression of heterologous genes in plants and transgenic fruit with a modified ripening phenotype
- L10 ANSWER 12 OF 17 AGRICOLA DUPLICATE 1
- TI Efficient genetic transformation of red raspberry, Rubus ideaus L.
- L10 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Use of tomato E8-derived promoters to express heterologous genes, e.g.
 S-adenosylmethionine hydrolase, in ripening
 fruit
- L10 ANSWER 14 OF 17 AGRICOLA DUPLICATE 2
- TI Reduced ethylene synthesis by transgenic tomatoes expressing S-adenosylmethionine hydrolase.
- L10 ANSWER 15 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Decreased ethylene synthesis and altered **fruit** ripening in **transgenic** tomatoes expressing **S**-adenosylmethionine hydrolase.
- L10 ANSWER 16 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Reduced ethylene synthesis and suspended fruit ripening in transgenic tomatoes expressing S-adenosylmethionine hydrolase.
- L10 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2002 ACS
- TI Control of **fruit** ripening and senescence in **plants** by expression of aminocyclopropanecarboxylic acid-metabolizing enzyme gene
- => s 110 and mel7
- L11 1 L10 AND MEL7
- => d ti
- L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
- TI Melon promoters for expression of transgene in **plants** in a **fruit**-specific and ripening-associated manner
- => s 19 and mel7
- L12 1 L9 AND MEL7
- => d ti
- L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
- Melon promoters for expression of transgene in plants in a fruit-specific and ripening-associated manner
- => s mel7 and ethylene

=> dup rem 113
PROCESSING COMPLETED FOR L13
L14 4 DUP REM L13 (4 DUPLICATES REMOVED)

=> d 1-4 ti

- L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
- TI Melon promoters for expression of transgene in plants in a fruit-specific and ripening-associated manner
- L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS
- TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon fruits and their use for plant breeding
- L14 ANSWER 3 OF 4 AGRICOLA DUPLICATE 1
 TI Analysis of physiological and molecular changes in melon (Cucumis melo L.) varieties with different rates of ripening.
- L14 ANSWER 4 OF 4 AGRICOLA DUPLICATE 2
 TI Characterization of two cDNA clones for mRNAs expressed during ripening of melon (Cucumis melo L.) fruits.